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|   | U.S. PATENT DOCUMENTS |              |           |   |   |                        |                                |             |                          |              |         |  |  |
| *EXAM!  |                       |              |           | DOCUMENT NUMBER   | DATE  |                        | NAME                           | CLASS       | SUBCLASS                 | FILING DATE  | -       |  |  |
| L   | V                     | а.           | H16       | 637   | 03/04/1997  | Offord o               | et al                          | 437         | 173                      |              |         |  |  |
|   |                       | b.           | 4,94      | 45,394  | 07/31/1990  | Palmou                 | r et al                        | 357         | 34                       |              |         |  |  |
|   |                       | c.           | 5,26      | 66,503  | 11/30/1993  | Wang et                | tal                            | 437         | 24                       |              |         |  |  |
|   |                       | d.           | 6,18      | 80,958  | 01/30/2001  | Cooper,                | Jr.                            | 257         | 77                       | 77           |         |  |  |
|   |                       | е.           | 6,181,200 |   | 01/30/2001  | Titizian et al         |                                | 330         | 66                       |              |         |  |  |
|   |                       | ſ.           | 6,30      | 03,475  | 10/16/2001  | Suvorov                | et al                          | 438         | 519                      |              |         |  |  |
|   |                       | g.           | 6,31      | 13,482  | 11/06/2001  | Baliga                 |                                | 257         | 77                       |              |         |  |  |
|   |                       | h.           | 6,37      | 23,506  | 11/27/2001  | Alok                   |                                | 257         | 77                       |              |         |  |  |
|   |                       | i.           | 6,37      | 29,675  | 12/11/2001  | Singh et               | al                             | 257         | 77                       |              |         |  |  |
|   |                       | j.           | 6,33      | 31,931  | 12/18/2001  | Titizian et al         |                                | 361         | 306.3                    |              |         |  |  |
| ·L  |                       | k.           | 6,21      | 18,254  | 04/17/2001  | 04/17/2001 Singh et al |                                | 438         | 364                      |              |         |  |  |
| i   |                       |              |           |   | FORE  | JGN PATE               | NT DOCUMENTS                   |             |                          |              |         |  |  |
|   |                       |              |           | DOCUMENT NUMBER   | DATE  |                        | COUNTRY                        | CLASS       | SUBCLASS                 | TRANSL       |         |  |  |
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|   |                       | <u> </u>     | 1         | OTHER DOCUMEN   | NTS (Includir   | ıa Author              | , Title, Date, Pertinent F     | Pages. Etc. | 1                        | <u></u>      |         |  |  |
| L   | \ <u>\</u>            |              |           |   |   |                        |                                |             |                          | State Electi | ronics. |  |  |
| <b>-</b>  |                       |              | 1.        | 1978, Vol. 21, pp. 479-48   | Article entitled "Silicon Carbide Bipolar Transistor" by W. V. Munch and P. Hoeck published in Solid State Electronics, 1978, Vol. 21, pp. 479-480, Pergamon Press, Great Britain |                        |                                |             |                          |              |         |  |  |
| L   | LV                    |              | m.        | Excerpt from textbook Volume V Introduction to Microelectronic Fabrication, pp. 71-73, author Richard C. Jaeger, Auburn University, published by Addison-Wesley Publishing Company, reprinted with corrections May, 1993. |   |                        |                                |             |                          |              | Auburn  |  |  |
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| EXAMI   | INER                  | 1            | LA        | N VINH  |   |                        | DATE CONSIDERED                | 9/26/       | 10                       |              |         |  |  |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                       |              |           |   |   |                        |                                |             |                          |              |         |  |  |

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|   |           | RMATION DISCLOSURE   | OTATION   | 50033-00006 , 10/630,238 Applicant(s) |                              |                                 |                     |             |                             |  |  |
|   |           | (Use several sheets if necessar  |   | VAN ZEGHBROECK et al                  |                              |                                 |                     |             |                             |  |  |
|   |           |  | NOV 0 7 200   | 3                                     | Filing Date Group Art Unit   |                                 |                     |             |                             |  |  |
|   |           |  | 13  |                                       | July 30, 2003                |                                 | 1765                |             |                             |  |  |
| PAGENATE S. PATENT DOCUMENTS  |           |  |   |                                       |                              |                                 |                     |             |                             |  |  |
| *EXAMINER<br>INITIAL  | REF       | DOCUMENT NUMBER  |   |                                       | NAME                         | CLASS                           | CLASS SUBCLASS      |             | FILING DATE  IF APPROPRIATE |  |  |
| LV  | n.        | 5,914,611  | 06/22/1999  | Cheng                                 |                              | 324                             | 719                 |             |                             |  |  |
| W   | 0.        | 6,228,665  | 05/08/2001  | Griffith et al                        |                              | 438                             | 14                  |             |                             |  |  |
|   |           |  |   |                                       |                              |                                 | -                   |             |                             |  |  |
|   |           |  |   |                                       |                              |                                 |                     |             |                             |  |  |
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|   |           |  |   | FOREIG                                | N PATENT DOCUMENTS           |                                 |                     |             |                             |  |  |
|   | REF       | DOCUMENT NUMBER  | DATE  | COUNTRY                               |                              | CLASS                           | SUBCLASS            | Trans       | lation<br>NO                |  |  |
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|   |           |  |   |                                       |                              |                                 |                     | -           |                             |  |  |
|   |           |  |   | OTHER I                               | OCUMENTS (Including A        | uthor, Title, I                 | Date, Pertinent Pag | ges, Etc.)  |                             |  |  |
| U. S. Patent Application Serial No. 10/360,662, filed on February 7, 2003, entitled "Method of Silicon Carbide Semiconductor Devices", and further identified as Attorney Docket No. 50033- |           |  |   |                                       |                              | od of Fabricatin<br>50033-00005 | g Self-Alig         | gned        |                             |  |  |
| LV  |           | U. S. Patent Application with a Regrown Contac                           | U. S. Patent Application Serial No. 10/339,040, filed on January 9, 2003, entitled "Silicon Carbide Semiconductor Devices with a Regrown Contact Layer", and further identified as Attorney Docket No. 50033-00004. |                                       |                              |                                 |                     |             |                             |  |  |
| EXAMINER LAN UINH DATE CONSIDERED 9/16/07   |           |  |   |                                       |                              |                                 |                     |             |                             |  |  |
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| considered. Include copy of this form with next communication to applicant.   |           |  |   |                                       |                              |                                 |                     |             |                             |  |  |